

## ABSTRACT

A method for displaying images in a medical navigation system assisted by x-ray images includes calibrating an x-ray device in the medical navigation system and producing a plurality of two-dimensional x-ray images of a patient using the x-ray device. During the producing step, positions of the x-ray device are determined using the medical navigation system in order to produce positional data. Data associated with the two-dimensional x-ray images is converted into three-dimensional data. The two-dimensional x-ray images, production information corresponding to the two-dimension x-ray images, and the three-dimensional data to the navigation system. At least the two-dimensional x-ray images are displayed on an image output of the medical navigation system.

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